



1600

## RAW SEQUENCE LISTING

DATE: 10/21/2003

PATENT APPLICATION: US/09/886,954A

TIME: 13:40:55

Input Set : A:\96700-667.txt

Output Set: N:\CRF4\10212003\I886954A.raw

3 <110> APPLICANT: Charron, Maureen J.  
 4 Katz, Ellen B.  
 6 <120> TITLE OF INVENTION: NOVEL GLUCOSE TRANSPORTER/SENSOR PROTEIN AND USES THEREOF  
 8 <130> FILE REFERENCE: 96700/667  
 10 <140> CURRENT APPLICATION NUMBER: 09/886,954A  
 11 <141> CURRENT FILING DATE: 2001-06-21  
 13 <160> NUMBER OF SEQ ID NOS: 1  
 15 <170> SOFTWARE: PatentIn version 3.2  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 477  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Homo sapiens  
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 25 1 5 10 15  
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 29 20 25 30  
 32 Ala Ala Leu Gly Pro Leu Ser Phe Gly Phe Ala Leu Gly Tyr Ser Ser  
 33 35 40 45  
 36 Pro Ala Ile Pro Ser Leu Gln Arg Ala Ala Pro Pro Ala Pro Arg Leu  
 37 50 55 60  
 40 Asp Asp Ala Ala Ala Ser Trp Phe Gly Ala Val Val Thr Leu Gly Ala  
 41 65 70 75 80  
 44 Ala Ala Gly Gly Val Leu Gly Gly Trp Leu Val Asp Arg Ala Gly Arg  
 45 85 90 95  
 48 Lys Leu Ser Leu Leu Leu Cys Ser Val Pro Phe Val Ala Gly Phe Ala  
 49 100 105 110  
 52 Val Ile Thr Ala Ala Gln Asp Val Trp Met Leu Leu Gly Gly Arg Leu  
 53 115 120 125  
 56 Leu Thr Gly Leu Ala Cys Gly Val Ala Ser Leu Val Ala Pro Val Tyr  
 57 130 135 140  
 60 Ile Ser Glu Ile Ala Tyr Pro Ala Val Arg Gly Leu Leu Gly Ser Cys  
 61 145 150 155 160  
 64 Val Gln Leu Met Val Val Val Gly Ile Leu Leu Ala Tyr Leu Ala Gly  
 65 165 170 175  
 68 Trp Val Leu Glu Trp Arg Trp Leu Ala Val Leu Gly Cys Val Pro Pro  
 69 180 185 190  
 72 Ser Leu Met Leu Leu Leu Met Cys Phe Met Pro Glu Thr Pro Arg Phe  
 73 195 200 205  
 76 Leu Leu Thr Gln His Arg Arg Gln Glu Ala Met Ala Ala Leu Arg Phe  
 77 210 215 220  
 80 Leu Trp Gly Ser Glu Gln Gly Trp Glu Asp Pro Pro Ile Gly Ala Glu  
 81 225 230 235 240

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 10/22/03

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84 Gln Ser Phe His Leu Ala Leu Leu Arg Gln Pro Gly Ile Tyr Lys Pro
85          245          250          255
88 Phe Ile Ile Gly Val Ser Leu Met Ala Phe Gln Gln Leu Ser Gly Val
89          260          265          270
92 Asn Ala Val Met Phe Tyr Ala Glu Thr Ile Phe Glu Glu Ala Lys Phe
93          275          280          285
96 Lys Asp Ser Ser Leu Ala Ser Val Val Val Gly Val Ile Gln Val Leu
97          290          295          300
100 Phe Thr Ala Val Ala Ala Leu Ile Met Asp Arg Ala Gly Arg Arg Leu
101 305          310          315          320
104 Leu Leu Val Leu Ser Gly Val Val Met Val Phe Ser Thr Ser Ala Phe
105          325          330          335
108 Gly Ala Tyr Phe Lys Leu Thr Gln Gly Gly Pro Gly Asn Ser Ser His
109          340          345          350
112 Val Ala Ile Ser Ala Pro Val Ser Ala Gln Pro Val Asp Ala Ser Val
113          355          360          365
116 Gly Leu Ala Trp Leu Ala Val Gly Ser Met Cys Leu Phe Ile Ala Gly
117          370          375          380
120 Phe Ala Val Gly Trp Gly Pro Ile Pro Trp Leu Leu Met Ser Glu Ile
121 385          390          395          400
124 Phe Pro Leu His Val Lys Gly Val Ala Thr Gly Ile Cys Val Leu Thr
125          405          410          415
128 Asn Trp Leu Met Ala Phe Leu Val Thr Lys Glu Phe Ser Ser Leu Met
129          420          425          430
132 Glu Val Leu Arg Pro Tyr Gly Ala Phe Trp Leu Ala Ser Ala Phe Cys
133          435          440          445
136 Ile Phe Ser Val Leu Phe Thr Leu Phe Cys Val Pro Glu Thr Lys Gly
137          450          455          460
140 Lys Thr Leu Glu Gln Ile Thr Ala His Phe Glu Gly Arg
141 465          470          475

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**VERIFICATION SUMMARY**

DATE: 10/21/2003

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